

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A brake pedal assembly for a vehicle ~~with a support bracket containing an integral switch~~, said brake pedal assembly comprising:

a support bracket having a generally planar mounting face, ~~wherein said mounting face includes at least one aperture for securing the support bracket to the vehicle;~~

a first side wall and a second side wall spaced a predetermined distance apart from said first side wall, ~~and each said first side wall and said second side wall extends radially~~ extending outwardly from said mounting face, wherein an integral switch portion of said first side wall contains two a pair of generally parallel arcuate slots;

~~a pivot means operatively supported~~ pedal arm pivotally mounted between said first side wall and said second side wall ~~[[walls]]~~;

~~a pedal arm pivotally mounted onto said pivot means;~~

~~a pedal link pivotally mounted onto said pivot means, and operatively connected to said pedal arm, wherein said pedal link is a generally planar member;~~

at least one pair of contact posts disposed on said pedal link arm and positioned such that each of said pair of contact posts extends through ~~so as to extend therethrough the a corresponding one of said pair of~~ arcuate ~~slot~~ slots in said integral switch portion of said first side wall;

a conductive strip ~~means operatively interconnecting each contact post in the~~ of said pair of contact posts; and

~~a brake booster means operatively attached to said pedal link, and supported by the housing; and~~

a switch cover plate secured to said first side wall, wherein ~~a switching means~~ an electronic switch is operatively disposed on an inside surface of said cover plate, and said pair of contact posts travels within the said pair of arcuate slot slots in response to movement of the said pedal arm to electrically ~~engage~~ actuate said switch ~~switching means~~ and send an electrical signal to a component in communication with the said integral switch portion.

2. (Currently amended) ~~[[A]]~~ The brake pedal assembly as set forth in claim 1 wherein said first side wall includes an outwardly projecting switch wall defining a perimeter of the integral switch portion of said first side wall, and said switch cover plate is secured to said switch wall.

3. (Currently amended) ~~[[A]]~~ The brake pedal assembly as set forth in claim 1 wherein said switch cover plate includes an integrally formed connector for electrically connecting said ~~switching means~~ switch to ~~[[a]]~~ said component in communication with ~~[[the]]~~ said integral switch portion.

4. (Currently amended) ~~[[A]]~~ The brake pedal assembly as set forth in claim 1 further comprising an upper wall interconnecting said ~~spaced apart side arms~~ first side wall and said second side wall, wherein said upper wall is generally parallel to and spaced a predetermined distance from said mounting face and said upper wall includes at least one aperture for securing ~~[[the]]~~ said support bracket to the vehicle.

5. (Currently amended) ~~[[A]]~~ The brake pedal assembly as set forth in claims claim
1 wherein said ~~switching means~~ switch is a printed circuit board.

6. (Currently amended) A brake pedal assembly for a vehicle ~~with a support bracket~~
~~containing an integral switch~~, said brake pedal assembly comprising:

a support bracket having a generally planar mounting face, wherein said mounting face
includes at least one aperture for securing ~~[[the]]~~ said support bracket to the vehicle;

a first side wall and a second side wall spaced a predetermined distance apart from said
first side wall, ~~and each said first side wall and said second side wall extends radially extending~~
outwardly from said mounting face, wherein an integral switch portion of said first side wall
includes an outwardly projecting switch wall defining a perimeter of ~~[[the]]~~ said integral switch
portion, ~~and two said first side wall having a pair of~~ generally parallel arcuate slots ~~[[are]]~~
contained within said switch wall;

a pivot pin ~~[[means]]~~ operatively supported between said first side wall and said second
side wall ~~[[walls]]~~;

a pedal arm pivotally mounted onto said pivot pin ~~[[means]]~~ between said first side wall
and said second side wall;

a pedal link pivotally mounted onto said pivot pin ~~[[means]]~~, between said first side wall
and said pedal arm and operatively connected to said pedal arm, wherein said pedal link is a
generally planar member;

at least one pair of contact posts disposed on said pedal link and positioned such that each
of said pair of contact posts extends through ~~so as to extend therethrough the a~~ corresponding
one of said pair of arcuate slot slots in said integral switch portion of said first side wall;

a conductive strip ~~operatively~~ interconnecting each ~~contact post in the~~ of said pair of contact posts, wherein said conductive strip includes a plurality of brushes; and

~~a brake booster means operatively attached to said pedal link, and supported by the housing; and~~

a switch cover plate secured to said switch wall, wherein ~~a switching means~~ an electronic switch is operatively disposed on an inside surface of said switch cover plate, and said pair of contact posts travels within the said pair of arcuate slot slots in response to movement of the pedal arm to electrically ~~engage~~ actuate said ~~switching means~~ switch and send an electrical signal to a component in communication with the integral switch.

7. (Currently amended) ~~[[A]]~~ The brake pedal assembly as set forth in claim 6 wherein said switch cover plate includes an integrally formed connector for electrically connecting said ~~switching means~~ switch to ~~[[a]]~~ said component in communication with ~~[[the]]~~ said integral switch portion.

8. (Currently amended) ~~[[A]]~~ The brake pedal assembly as set forth in claim 6 further comprising an upper wall interconnecting said ~~spaced apart side arms~~ first side wall and said second side wall, wherein said upper wall is generally parallel to and spaced a predetermined distance from said mounting face and said upper wall includes at least one aperture for securing ~~[[the]]~~ said support bracket to the vehicle.

9. (Currently amended) ~~[[A]]~~ The brake pedal assembly as set forth in claim 6 wherein said ~~switching means~~ switch is a printed circuit board.

10-12. (Canceled)

13. (New) The brake pedal assembly as set forth in claim 1, wherein said pedal arm is pivotally mounted to a pivot pin mounted between said first side wall and said second side wall.

14. (New) The brake pedal assembly as set forth in claim 13, wherein a first pedal link is pivotally mounted onto said pivot pin between said first side wall and said pedal arm, and a second pedal link is pivotally mounted onto said pivot pin between said pedal arm and said second side wall.

15. (New) The brake pedal assembly as set forth in claim 14, wherein said pair of contact posts extend from said first pedal link.

16. (New) A brake pedal assembly for a vehicle, said brake pedal assembly comprising:

a support bracket secured to the vehicle, said support bracket having a pair of generally parallel arcuate slots formed therein;

a pedal arm pivotally mounted to said support bracket about a pivot axis, said pedal arm having a pair of contact posts extending outwardly therefrom and positioned such that each of said pair of contact posts extends through one of said pair of arcuate slots;

a conductive strip interconnecting each of said pair of contact posts; and

a switch cover plate attached to said support bracket, said switch cover plate having an inner surface and an electronic switch disposed on said inner surface;

wherein upon movement of said pedal arm about said pivot axis said pair of contact posts rotate about said pivot axis within said pair of arcuate slots to electronically connect said conductive strip to said switch and send an electronic signal to a component in communication with said switch.